

Cambodia

Year 1
Quarterly Report
July - September 2011

October 28th, 2011

Quarterly Overview

Reporting Country	Cambodia			
Lead Partner	JATA			
Collaborating Partners	FHI360, MSH, KNCV, WHO			
Date Report Sent	28 October 2011			
From	Jamie Tonsing			
То	Dr Chantha Chak			
Reporting Period	July-September 2011			

Technical Areas	%
	Completion
1. Universal and Early Access	86%
2. Laboratories	86%
3. Infection Control	67%
4. PMDT	63%
5. TB/HIV	100%
6. Health Systems Strengthening	100%
7. M&E, OR and Surveillance	58%
8. Drug supply and management	100%
Overall work plan completion	82%

Most Significant Achievements

TB CARE team successfully supported the country to mobilize more than US 1 million for 2011-2012 from TBREACH/WHO for active case finding among migrants, urban poor and contacts of TB patients in 15 poorest operational districts. Earlier in the year, TB CARE team had advocated successfully to the Ministry of Health to ban import and sale of anti-TB drugs of dubious quality from the for-profit sector. This would minimize development of drug resistance due to use of spurious drugs and encourage the private sector to participate more closely with the National TB Program for their TB patients.

Significant achievements during this quarter:

- i) Launching of active case finding (ACF) activities for TB among irregular migrants who are deported from Thailand, Malaysia and Vietnam. The WHO/TB CARE funds are being used especially for initiating ACF activities for the 15-20% of the 98,000 deportees who are detained in detention camps in Thailand for more than one month. TBREACH/ WHO funds will be used to screen even the 80-85% who are detained for less than one month, or not detained at all.
- **ii)** Procurement and trainings on digital x-ray and GenXpert machines completed and installed at CENAT. National lab strategic plan for 2011-2015 drafted. Following approval of proposed X-pert algorithm and revised R&R forms, Xpert will be used for MDR-suspect, PLHIV and for ACF among high risk groups
- **iii)** Communications strategy for TB -IC developed and a branded logo ("Saksit", which means effectiveness/blessing in Khmer) for the initiative designed and tested. This will be piloted in Year 2 and its effectiveness evaluated through baseline and endline survey in the pilot sites.
- **iv)** Completed development of SMS system for delivery of lab test results to Health Centres (HC) and DOT watchers (DW)/community volunteers. Field testing of protocol, demonstration of the system design, and trainings completed. After completion of orientation for DW planned for October, TB labs, HCs linked to these labs and select DW linked to these HCs are expected to start using the SMS system. This is likely to decrease the time for relay of lab results to HCs, and through the inclusion of DW in the network, aid in earlier initiation of treatment for diagnosed TB patients.

Overall work plan implementation status

There was delay in initation of most activities during the year. Though it picked up significant during this quarter, several activities are planned for continuation in Year 2. Hence, some of the achievements of activities started in FY2011 may be more evident only in Oct-Dec 2011 or soon thereafter.

Few activities could not be conducted for reasons beyond the control of the team - such as cancellation of meetings (Activity 1.3.3)

Technical and administrative challenges								

Quarterly Technical Outcome Report

	2010*	2011**
Number of MDR cases diagnosed	31	N/A
Number of MDR cases put on treatment	41	47
* January - December 2010 ** January - September	er 2011	

Technical Area 1. Universal and Early Access Indicator Definition Baseline **Highlights of the Quarter Expected** Outcome **Challenges and Next Steps to** Target Result Outcomes **Indicators** Y1 **Y1** Reach the Target N and % of TB patients 101/3453 Figures for USAID fiscal year: Oct 1 Improved >4% 95/4805 Annual mass screening of all prisoners Increase access for high coverage of reported in prisons (3%) (1.98%)2009 to Setp 2010 baseline, Oct (using X-ray and sputum exam) has risk populations prisons among the total 2010 to Setp 2011 for Year 1. been delayed as the mobile team is number of prisoners in Target not achieved. Low notification currently busy with the ongoing project sites because it is based on passive case national TB prevalence survey. finding only. Active case finding Postponed for Oct-Nov 2011 postponed 2 Earlier Promote earlier Average duration from NA <5 days Not yet SMS system development and Several Health Centres selected for diagnosis diagnosis through sputum collection at available trainings completed during the pilot sites are affected by the current decrease in turn Health Centres to quarter but actual use of the system flooding in Cambodia and were closed around times for receipt of lab results will start in the next quarter. for several days. Baseline data collection for the pilot sites started and lab results results will be reported in next qtr. 30,000 **3** Engage Number of Number of suspected 22,665 Not yet Data from NTP report following Since C-DOTS is implemented by more communities (NTP) available suspects referred TB cases referred by calendar year, so not yet available. than 12 NGOs with different reporting and all by community community volunteers Data will be updated when 2011 NTP lines based on source of funding (GF providers health volunteers to the Health Centre report becomes available and USAID), complete information for for sputum test. the entire country for the 2011 calendar year will only be obtained and published by NTP in early 2012.

Te	Technical Area 2. Laboratories							
Expected Outcomes		Outcome Indicators	Indicator Definition	Baseline	Target Y1	Result Y1	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
	Improved TB diagnosis with the use of new diagnostics		Number and percent of tests performed by GeneXpert	NA	35,000	0		Delay partly because of the intention to roll this out in the context of a national lab plan to standardise the approach and tools used across partners.

2	diagnostic capacity for smear negative TB patients	capacity improvement through establishments of	N and % of x-rays judged to have been read correctly by the diagnostic committees according to the expert cross reader	80%	>85%	89%	Target achieved. Expanded to one additional province covering 11/24 provinces in the country	
3	assurance of	smear	N and % of laboratories with over 95% correct results	60/79 (76%)	>85%		Target not achieved but still above the baseline	

Te	echnical Area 3. Infection Control							
Exp	ected	Outcome	Indicator Definition	Baseline	Target	Result	Highlights of the Quarter	Challenges and Next Steps to
Out	comes	Indicators			Y1	Y1		Reach the Target
	TB-IC measures implemented at Health Centres & Communities		N and % of HCs with trained staff on TB- Infection Control in project areas	0/35	100%	37/37 (100%)	Target achieved	
2			ļ	Heath Centres	100%	Not available		Health facilities are reluctant to offer annual TB screening for staff. There are no directions or guidelines from NTP to implement this activity.

Te	<mark>chnical Area</mark>	4. PMDT						
	ected comes	Outcome Indicators	Indicator Definition	Baseline	Target Y1	Result Y1	Highlights of the Quarter	Challenges and Next Steps to Reach the Target
1	PMDT under the	Number of MDR cases put on treatment	Number of MDR cases put on treatment during the calendar year	34 (2010)	80		PMDT to improve the HR capacity of NTP/CENAT to intensify PMDT efforts. Data for Jan- Sept 2011. Data will be updated when 2011 NTP report becomes available	The transport mechanism for sputum from the patients to the single culture/DST laboratory (located in Phnom Penh) is the weakest link of PMDT now, which is preventing achievement of targets. CENAT/NTP hopes to resolve this issue soon by providing advance money to field supervisors for sputum transport. US-CDC has already provided funds for this purpose. TB CARE Year 2 will provide more funds for this through CHC, as sub-grantee of the WHO.

Te	chnical Area	5. TB/HIV						
Exp	ected	Outcome Indicator Definition		Baseline	Target	Result	Highlights of the Quarter	Challenges and Next Steps to
Ou	tcomes	Indicators			Y1	Y1		Reach the Target
1		of TB patients		28246/40 199 (70%)	>80%		16466/20434=80.5%. Data will be updated when the 2011 NTP report	Non-standard and unclear methods of payment of incentives and dwindling funds may risk the progress of this indicator in future.

Technical Area 6. Health Systems Strengthe									
Expected				Indicator Definition	Baseline		Result	Highlights of the Quarter	Challenges and Next Steps to
(Outo	omes	Indicators			Y1	Y1		Reach the Target
		•	Regular meetings of TWG held	Number of TWG meetings held	8	10		3 TWG in Q4 2011: 2 lab technical working group meetings & 1 MDR-TB technical working group meeting.	

Te	chnical Area	7. M&E, OR	and Surveillance					
Exp	ected	Outcome	Indicator Definition	Baseline	Target	Result	Highlights of the Quarter	Challenges and Next Steps to
Out	comes	Indicators			Y1	Y1		Reach the Target
1	monitoring and evaluation	the performance of the NTP in at least two	Peer review of the performance of the NTP in at least two provinces every quarter	NA	4 provinces	Not yet available		Delayed for reasons cited in 7.1.2. Planned for next quarter.

Technical Area 8. Drug supply and managen

			9						
Expected		ected	Outcome	Indicator Definition	Baseline	Target	Result	Highlights of the Quarter	Challenges and Next Steps to
	Out	comes	Indicators			Y1	Y1		Reach the Target
	1	Promote	Research agenda	Research agenda for	NA	Done	Done	Completed in last quarter	
		operations	for the NTP	the NTP developed					
		research	developed						

Quarterly Activity Plan Report

	1. Univ	versal and Early Access					Plan		Cumulative Progress and Deliverables up-to-date
Outcomes			Lead	Approved	Cumu	Intivo	Comp Month		
Outcomes			Partner	Budget	Comp		MOIILII	real	
1.1 Improved access for high risk populations	1.1.1	Consultation workshop to develop strategic plan for active case finding and related M&E framework (by in- country team)	WHO	4.311		00%	Jul		Guidelines and Standard Operating Procedure for active case finding (ACF), inlcuding related M&E framework already drafted. A consultation workshop with TB partners in Cambodia was held on 14 and 15 July at Phnom Penh, with technical assistance from Dr Nobu Nishikiori, the focal person coordinating this activity at WHO regional office in Manila, and attended by total 68 participants (F=19, M=49 male).
	1.1.2	Active case finding (ACF) targeting high-risk cross-border migrants by establishing mobile units within existing TB Government services	WHO	47.140	7	5%	Dec		TB CARE I, CENAT and International Organization for Migrants have been implementing this activity. There was delay in starting this activity. After conducting advocacy meetings and trainings, the screening of migrants has just started. Initial reports indicate high incidence rate of TB in this vulnerable group. Detailed reports will be available by Dec 2011.
	1.1.3	Conduct a detailed cost-effectiveness analysis and document achievement of ACF (1.1.2)	WHO	8.452	7	5%	Dec		Final reports will be drafted on 24 Oct - 8 Nov 2011 with the assistance of external assistance from WHO/WPRO. Cost-effectiveness of the ACF activities will be analyzed and documented for the past 5-6 years, including the current efforts of ACF in migrants and proposed ACF efforts in 2011-2012.
	1.1.4	Childhood TB pilot sites - expand and strengthen contact tracing	JATA	60.377	100	0%	Sep		Expansion of childhood TB pilot sites to five additional operational disctricts (ODs) completed to cover a total of 9 ODs (Kg Cham, Sampov Meas, Battambang, Mongkol Borei, Moung Russey, Ochrov, Preah Net Preah, Kg Speu and Prey Veng).TB CARE I continue to monitor the implmentation of childhood TB in the 9 ODs. During the quarter several joint visits to the fields from TB CARE I and CENAT team have been conducted to supervise the activities. The objectives of the field visits are to 1) assess the capacity of field staff and ecourage the to strenghen the contact tracing and 2) to provide on the job training for diagnostic capacity. Data from the 9 ODs for this quarter shows that 2784 TB suspected children were referred by health centers and C-DOTS partners to the referral hospitals for complete diagnostic workup inlcuding clinical examination, TST, x-ray based on NTP Childhood TB guideline. Of those referred (2784), 636 were diagnosed as TB patients and registered for treatment.

1.1	Expand coverage for provision of TB/HIV services in prisons working through C-DOTS partners where possible	FHI	64.951	10	00%	Sep	At the beginning of Year I, TB CARE I met with other USAID partners (TB staff from RHAC, RACHA, URC) to explore opportunities for collaboration, particularly for expanding TB/HIV services in the new prisons located in C-DOTS project sites of partners. Plans to jointly conduct start up activities following which the concerned partner would support continuation of the more routine operations could not be realized due to competing priorities and inadequate resources to take this on (from partner's side). In collaboration with General Department of Prisons (GDP), NTP/CENAT, NAP/NCHADS, TB CARE I was able to complete preparatory activities and three new prisons sites (Kg Speu, Koh Kong and Kg Som) started providing TB/HIV services from July 2011. In the four existing sites (Kg Cham, CC3, Kandal and Takeo), routine activities were partially implemented in Jan-March 2011 due to shortage of funds but resumed full operations after arrival of TB CARE I funds. Annual screening of prison inmates was conducted in Kandal prison in Sep 2011. The remaining six prisons will be covered during the next quarter.
1.2 Earlier diagnosis	Establish model sites incorporating Quality Improvement (QI) principles and integrating C-DOTS and PPM	FHI	81.955	9 7	75%	Dec	Following the Quality Improvement (QI) workshop conducted with external technical assistance in May 2011, two of the five QI objectives identified during the workshop were selected for implementation in 5 Health Centres in Kampong Cham and Chamkar Leu OD. Follow on sensitization and planning workshops were conducted to take this forward including a stakeholder workshop on 24 August (27 participants, 2 Female) to bring together all participating sites and sensitize managers about the importance of QI initiative and form a QI team consisting of TB and QI expert to lead implementation. The team visited selected sites to identify challenges and conduct a root cause analysis which was presented in a subsequent meeting on 15-16 August (50 participants, 4 Female) to generate change ideas for improvement of the QI topic identified - to increase identification and referral of TB suspects to public health facilities by private providers and community volunteers. QI measurement tools are being finalized to aid monitoring of progress and for use in monthly learning sessions and reporting. TB CARE I worked with CENAT and PATH to define common and necessary set of activities as well as core indicators for PPM implementation. This was presented during the national PPM planning workshop organized by PATH on 3-4 August at Phnom Penh attended by representatives from 10 PPM implementing provinces and partners (54 participants, 5 F). Participants were asked to develop a workplan and budget using the format and submit by September. Simultaneously, series of meetings and discussion were held with K Cham provincial health departments to finalize the PPM work plan for all 10 ODs. An orientation workshop was conducted in Kampong Cham from 7-9 September (343 participants, 80F) to review existing PPM activities, discuss planned activities and sign annual letters of agreement with private providers in order to commence referral of TB suspects by private providers to public health facilities.

	1.2.2	Introduce use of information technology to improve TB services - reduce TAT for lab results and monitor contact tracing	FHI	92.790	85%	Dec	2015	TB CARE I engaged the services of InSTEDD, an ICT company to design the technology system including workflow, content and coding of SMS messages, and storage of data for monitoring purposes. They also helped develop job aids and conducted training for trainers. Field visits to project sites to test the protocol and demonstration to CENAT staff was conducted in May 2011. Following finalization of the system design and trainings, following trainings/orientation have been conducted or planned for: • Training of trainers for SMS on 23 August 2011 for 11 participants(1F) from CENAT, K Cham province (pilot site) and FHI 360 • Training on the use of SMS and content/codes for the messages for Health Centre (HC) and TB lab staff on 20 -21 September 2011 at Kampong Cham and attended by 38 participants (7F) • Orientation for DOT watchers (DW) to interpret SMS messages and take action to facilitate earlier start of treatment for diagnosed cases, planned for October By end of October, all 4 TB labs in Chamkar Leu and K Cham OD, 15 HCs linked to these labs and select DOT watchers/community volunteers linked to these HCs are expected to start using the SMS system. This is likely to decrease the time for relay of lab results to HCs, and through the inclusion of DW in the network where possible, aid in earlier initiation of treatment for diagnosed TB patients.
1.3 Engage communities and all providers	1.3.1	Develop standard training materials for C-DOTS which includes comprehensive management of TB & conduct ToT	FHI	26.057	75%	Sep	2011	This was included in the agenda item of the C-DOTS technical working group meeting. C-DOTS implementation is supported by more than 10 partners in different geographical areas of the country using the same approach in principle but operated differently to adjust to local needs, including different materials and methods for C-DOTS training which partners were used to and the need for changing that was not appreciated. As an alternative approach, TB CARE I tailored materials on topics that were relevant for C-DOTS but not routinely covered by all partners – such as childhood TB and infection control– and circulated it to C-DOTS partners to include in their ongoing C-DOTS trainings. Because of the delay in grant negotiation for continued funding for Global Fund Round 7 phase 2 grants, C-DOTS activities of many partners were interrupted including ongoing trainings.
	1.3.2	Document TB programme at garment factories in collaboration with CATA (using TA)	FHI	19.800	100%	Sep	2011	TB CARE I recruited a local consultant to undertake this activity in collaboration with Cambodia Anti-TB Association (CATA), the NGO supporting provision of TB services garment factories. A formative qualitative assessment of CATA's TB control programme in 17 factories in Phnom Penh areas was conducted from August –September 2011 with the objective of identifying strengths and weaknesses in order to improve its current implementation. The assessment showed acceptance of the project by both the factories and the health Centres and suggestion to scale it up as they noticed the direct benefits of the programme on the factory workers and TB patients. At the same time, this assessment indicated the need to address barriers to prevention, diagnosis and treatment of TB in the workplace such as (i) Tackle stigma and discrimination through health education and information (ii) Provide time for health education (ii) Reduce lengthy laboratory testing and results at the HC (iii) Promote treatment adherence through DOTS (iv) Address mobility issues particularly frequent turnover of factory health staff.

	Establish TWG for child TB involving MCH/IMCI/paediatric hospitals (eg Kantha Bopha), and support participation in international meetings of childhood TB working group	WHO	6.159	75%	Sept		* After several attempts, TB CARE I team finally met Dr Richner and staff of Kantha Bophal hospitals on 19 April and visited his hospital on 26 April 2011 along with the focal person for childhood TB at CENAT. Technical working group for Childhood TB has been formed and the first meeting was conducted in May 2011. Kantha Bopha Hospital has agreed to be a member of the national childhood TB working group and participate in the Stop TB Partnership Childhood TB Working Sub-Group meeting in Geneva later this year, if invited. * TB CARE I participated in meetings and facilitated meetings with CENAT staff to contribute to revision of Integrated Management of Childhood Illnesses (IMCI) guidelines coordinated by the Department of Communicable Disease Control, Ministry of Health. For the first time, the IMCI guidelines for Cambodia will include TB and HIV in the protocol. * The childhood TB working sub-group meeting will not happen this year, as originally planned by the WHO/HQ, and hence TB CARE I will not be able to support participation of pediatricians from Cambodia in this international meeting this year.
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86%

	2. Lab	oratories				Plan		Cumulative Progress and Deliverables up-to-date
						Compl		
Outcomes			Lead	Approved	mulative	Month	Year	
		<u> </u>	Partner	Budget	mpletion			
2.1 Improved TB diagnosis with the use of new diagnostics	2.1.2	Provide ongoing TA to build capacity at NTRL and coordinate introduction of new diagnostics (local staff based at NTRL))	JATA	13.840	100%	Sep	2015	Recruitment of Lab officer was finished and the new staff has joined the TB CARE I team. The lab officer has worked with CENAT team and coordinated the introduction of new diagnostics such as Xpert training, EQA and FM expansion.
	2.1.3	Pilot introduction of GeneXpert including evaluating its operational and technical feasibility in Cambodia	JATA	78.421	50%	Dec		Procurement of two Genexpert machines and cartridge has been completed. The machine is placed at the national TB reference lab at CENAT, placement for the second machine will be finalised considering other machines that are being procured with other funding sources and in sites that meet the criteira for site selection to optimise the use of the machines. TB CARE I conducted Xpert training for 13 staff from NTRL (F=7, M=6) at Phnom Penh. Xpert will be used from October 2011 for MDR-TB suspects and otherhigh risk groups inlcuding people living with HIV, prison inmates etc. Full scale implementation and evaluation will be conducted in 2012.
	2.1.4	Pilot expansion of LED microscopy network	JATA	79.825	100%	Sep	2015	Following trainings for lab technicians conducted in June 2011, 9 provinces have started using LED FM from this quarter (Siem Reap, Kompong Speu, Kampot, Kep, Preah Sihanouk, Bantey Meanchey, Prey Veng, Odor Meanchey and Kompong Thom)
	2.1.5	Provide TA to develop a national lab plan inlcuding plans for introducing new diagnostics	JATA		100%	Aug		With the technical support from TB CARE I, the development of national TB lab strategic plan was initiated and the version 1 of the draft was developed. The draft was shared and discussed within the CENAT team and partner for finalization process. Draft X-pert algorithm and proposed revision of recording and reporting forms to inlcude information on Xpert has been shared with partners. Since several partners are palnning to introduce Genexpert, it will be finalised by the lab technical working group to facilitate standardisation across partners.

2.2 Improved diagnostic capacity for smear negative TB patients	2.2.1	Support expansion of diagnostic capacity improvement	JATA	174.252	100%	Sep	Following expansion to one additional province this year, total number of provinces implementing diagnostic capacity improvement activities is now 11 provinces. TB CARE I continues to support to strengthen the capacity of staff in diagnosis skill for smear negative TB. For this quarter, TB CARE I and CENAT team made several field visits to monitor the implementation and also provided on the job training for staff. Data collected druing regular joint monitoring and supervision visits indicate that 760 smear negative TB suspects were referred from health centers to referral hospitals for further diagnosis by chest x-ray examination during this quarter. Of those, 326 cases were diagnosed as smear negative TB which is equal to 43.%. To strengthe the capacity of diagnosis for smear negative TB, central team supervisors had cross check reading of all x-ray films diagnosed by referral hospital TB physicians. The agreement rate between CENAT and referral hospital doctor for this quarter is 89.3%. To improve the sensivity of smear microscopy, TB CARE I strengthens the skill of health center staff in making smear slides and sending to TB lab units for smear microscopy. The result from the monitoring the smear quality reveals that the health center staff have kept improving the quality of sputum collection to 73.1%, smear size to 83%, smear thickness to 58% and evenness to 48%.
	2.2.2	Pilot introduction of digital X-ray including evaluating its operational and technical feasibility in Cambodia	JATA	56.602	50%	Dec	The procurement of digital x-ray has been completed, it is now placed at CENAT. 21 TB physicians (F=0, M=21) were trained on advance X-ray reading skill as a part of strengthening their x-ray reading skill for smear negative TB diagnosis. Radiologists at CENAT have started using the machine from this quarter, initially for patients availing of services at CENAT hospital. Full scale implementation and evaluation will be conducted in 2012.
2.3 Quality assurance of sputum microscopy	2.3.1	Support operational costs for conducting EQA for sputum smear microscopy (slide collection from labs, cross-checking of slides, on-site evaluations of labs, quarterly review workshops)	JATA	43.300	100%	Sep	Regular activities of EQA are being implemented in the 9 provinces supported by TB CARE I . Slide selection and cross checking of smear slides and on-site evaluation for EQA are conducted on quarterly basis. There are 83 TB lab units under TB CARE I support. The result from this quarter of EQA shows that all 80 lab units participated in the EQA process. 77.5% of the labs (62/80) provided over 95% correct results

3. Infection Control Planned **Cumulative Progress and Deliverables up-to-date** Completion Month Year Outcomes Approved Cumulative Lead Partner Budget Completion 15.286 100% 3.1 TB-IC 2011 As discussed with partners supporting general IC activities in Cambodia (URC and 3.1.1 Develop training modules on TB-IC to FHI Sep measures complement general IC training WHO), it was agreed to broaden the scope of this training by including 3 of the implemented at modules, conduct ToT, and support 12 general IC training modules (Hand Hygiene, Personal Protection Equipment Health Centres trainings as part of existing C-DOTS (PPE), Waste Management) along with a TB-IC module for trainings at Health Centre level. A team comprising of TB-IC trainers from CENAT and TB CARE I and training where possible staff developed training materials for TB-IC based on the SOP and existing slide Communities sets. Three training courses covering 37 Health Centres from Kampong Cham was completed in August and September 2011. In total, 82 participants (25 Female) attended the training covering four modules - Hand hygiene, waste management, TB-IC, and PPE

	Develop and implement communications strategy for TB-IC targeted at health facilities and communities	FHI	13.411	7	75%	Dec	In collaboration with in-house communications experts at FHI/Cambodia office, field visits were made to understand target audience profile and opinion to develop objectives and goals for TB-IC communications strategy. Ongoing trainings and workshops involving Health Centre staff were used to obtain stakeholder inputs for the communication strategy and develop a brand. Pretesting of the brand as well as key messages has also been completed. As a follow up, communication materials to promote the brand and key messages targeted at HC staff, DOT watchers and community will be designed and developed. Prior to launching, a baseline survey is planned for Y2 of TB CARE I so that the impact of this communication strategy can be measured after a period of implementation.
3.1.3	Promote implementation of TB-IC measures at Health Centres and communities	FHI	9.900	● 2	25%	Dec	Since development of training materials and training itself were completed only in September, monitoring implementation of TB-IC measures will begin from Year 2.

67%

	4. PMDT					Plan Compl		Cumulative Progress and Deliverables up-to-date
Outcomes			Lead Partner	Approved Budget	Cumulative Completion	Month	Year	
4.1 Strengthen PMDT under the NTP	4.1.1	Operational cost for establishment of electronic recording and reporting systems, in collaboration with MSH	WHO	7.345	0%	Sep		Due to delays in start of Year 1 activities, MSH/TB CARE expert was able to visit the country for initial assessment of using electronic recording and reporting (e-R&R) only in August 2011. CENAT/NTP has agreed to use e-R&R for PMDT initially. This may happen only from Year 2 of TB CARE. Hence, the WHO cannot conduct this activity in Year 1.
	4.1.2	Develop standard operational procedures for the MDR-TB staff (using TA)	WHO	8.452	75%	Dec		Two SOPs, one for transport of specimen and another for case management, have already been drafted. These will be finalized with technical assistance from WHO/WPRO in December 2011.
	4.1.3	Trainings and supervision of PMDT activities	WHO	53.280	75%	Sep		CENAT, CHC and WHO have visited around 60% of the MDRTB treatment sites (especially, the larger ones) several times and provided feedback to all partners during regular TWG (MDRTB) meetings. Several rounds of trainings were conducted in Aug-Sep 2011 on how to suspect and transport specimens of MDRTB suspects. Clinical trainings and review of PMDT will also be done using assistance from external expert in Dec 2011.
	4.1.4	Cost share salary of WHO TB officer for TB CARE I work (40%)	WHO	65.540	100%	Sep		Ongoing activity. All WHO/TB CARE I activities are coordinated and lead by the WHO officer
,	•	· ·			63%			

	5. TB/HIV					Planned Completion		Cumulative Progress and Deliverables up-to-date
Outcomes			Lead	Approved	Cumulative	Month	Year	
			Partner	Budget	Completion			
5.1 Increased	5.1.1	Support TB/HIV collaborative activities	WHO	40.680	100%	Sep	2015	This is an ongoing activity. TB CARE 1 supports testing of about 25% of the TB
uptake of HIV		by supporting HIV testing of TB						cases in the country.
testing among		patients (Option 2)						·
TB patients								
					1000/			

100%

6. Health Systems Strengthening		Planned	Cumulative Progress and Deliverables up-to-date
, 5		Completion	

Outcomes			Approved Budget	Cumulat Complet		Month	Year	
6.1 NTP partner coordination strengthened	6.1.1	Assist CENAT in leveraging resources	n.a	100%		Sep		TB CARE I provides support to CENAT in most aspects of Global Fund processes particularly grant negotations for Round 7 phase II, preparations for the upcoming Round 11. TB CARE I is assiting with financial & programmatic gap analysis, priority setting, and in updating the workplan of the NTP for the next five years in preparation for Round 11.
		Support partner coordination and contribute to the functioning of TWGs	n.a	100%	0	Sep		TB CARE I facilitated establishment of the childhood TB TWG and C-DOTS & PPM technical working group. Also participates in all other TWG meetings coordinated by CENAT including lab, MDR-TB and TB/HIV.

100%

	7. M&E	, OR and Surveillance				Plan Compl		Cumulative Progress and Deliverables up-to-date
Outcomes			Lead		Cumulative	Month		
			Partner	Budget	Completion			
7.1 Strengthened monitoring and evaluation	7.1.1	Introduce e-TB manager and conduct assessment of how e-TB manager can be implemented for MDR-TB in Cambodia	MSH	70.938	100%	Sep	2011	Dr Samuel Kinyanjui from MSH/ TB CARE I visited Cambodia from 7-13 August to introduce the e-TB manager system and assess the feasibility of implementing e-TB manager for MDR-TB case management and second line drug management in Cambodia. It was proposed to pilot (phase 1) the e-TB manager tool in 3 MDR-TB treatment sites with reliable unlimited internet access (Example: CENAT, KSF and Kampong Cham). The next steps include customization of e-TB manager for PMDT in Cambodia, speed up the development of the offline e-TB module which may be more suitable for Cambodia, and training of staff from pilot sites. CENAT and key partners need to set aside multi-year funding to support e-TB Manager implementation, finalize the DR-TB data collection and reporting tools, finalize the pilot sites and ready them for e-TB manager tool including availability of computers, staff proficient in basic computer use, and reliable internet connection.
	7.1.2	Coordinate a peer-review process for internal program evaluation	FHI	13.844	50%	Dec	2015	A standard protocol for use during the review, including means for conducting data quality audit, is being drafted and needs to be finalized with those who will be using the tool. This activity needs involvement of CENAT and provincial staff. Delayed becasue the TB CARE I M&E officer was in position only from July 2011 and also many of the key CENAT staff (with M& E responsibilities) are currently fully occupied with field work of the national TB prevalence survey so need to plan it around their availability. Planned for next quarter
	7.1.3	Develop and train project staff on the use of information system for TB CARE I, based on existing FHI/Cambodia's Information System (CAMIS)	FHI	14.058	25%	Sep	2011	Recruitment of the TB CARE I M& E was delayed till July 2011. Other web-based options (besides CAMIS which is an access database) are being considered to meet the needs of the TB CARE project and partners working in different offices, including options for sharing files (reports, data etc) and a common calendar. This activity will be taken up in Year 2 since it is also proposed to develop a website for the NTP during that time

58%

	8. Drug supply and management				Plan Comp	Cumulative Progress and Deliverables up-to-date
Outcomes		Lead	Approved	Cumulative		
		Partner	Budget	Completion		

	8.1 Promote operations research		TA to support development of research agenda for the NTP	KNCV	25.834	100%	Jun		Drs Saskia den Boom and Jacques van den Broek from KNCV visited Cambodia from 20-26 June 2011. They facilitated a consultative workshop attended by 38 participants (F=6, M=32) from CENAT and representative of 16 organizations between 22 and 25 June 2011 in Phnom Penh. The operational research agenda on TB for the next 5 years was drafted through an interactive process and discussions in which all workshop participants actively participated. As a next step, it was recommended to develop a research committee within CENAT that includes external advisors and collaborators from partner organizations, and to assist in implementation of operational research on topics identified in the TB research agenda.
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Quarterly Activity Plan Modifications

Request	for Cance	llation (or Dis	continuation of Activities						
Approv	ed By (write	dates)	Old	1. Universal and Early Access	Lead	Remaining	New	Replace with the	Lead	Proposed
Mission	PMU	USAID	Code	Activities from the Work Plan	Partner	Budget	Code	following activity (if	Partner	Budget*
				{Copy from the work plan}						

Request	for Postp	onemen	t of A	ctivities to Next Year		
Approve	ed By (write	dates)	Old	1. Universal and Early Access	Lead	Remaining
Mission	PMU	USAID	Code	Activities from the Work Plan	Partner	Budget
			1.3.3	Support participation in	WHO	
				international meetings of childhood		
				TB working group		
			4.1.1	Operational cost for establishment	WHO	
				of electronic R&R system		
			7.1.3	Develop and train project staff on	FHI	
				the use of information system for		
				TB CARE I		

Request	Request for Adding New Activities to the Current Work Plan									
Approve	ed By (write o	dates)	New	1. Universal and Early Access	Lead	Proposed				
Mission	PMU	USAID	Code	Proposed New Activities	Partner	Budget*				
19-sep-11	21-sep-11		1.3.4	Expand PPM to 8 operational	FHI	4.800				
				districts in Kampong Cham						
19-sep-11	21-sep-11		1.3.5	Recruit 1 PPM coordinator	FHI	3.600				
19-sep-11	21-sep-11		2.1.6	Procure additional Xpert cartridges	JATA	11.000				
19-sep-11	21-sep-11		2.1.7	Cost of culture and DST for Xpert	JATA	4.000				
				pilot						
19-sep-11	21-sep-11		2.2.3	Supplement cost of digital x-ray	JATA	9800				
19-sep-11	21-sep-11		6.1.3	Recruit coordinator for Global Fund	WHO	2.600				
				Round 11 proposal development						
19-sep-11 21-sep-11		7.1.4	Printing of NTP documents	FHI	8.400					

^{*} Budget for new activities comes from expected savings (i.e. reduction in ICR for FHI).

Quarterly Photos (as well as tables, charts and other relevant materials)



Dr Sayoeun, TB specialist at CENAT reads the result of a tuberculin skin test in a child suspected to have TB. Photo by Mr Seak Kunrath, JATA/TB CARE I Cambodia



Former MDR-TB patient from Takeo province in Cambodia at work. He is now cured and supports his family by selling small birds made of grass



Child TB suspects identified and referred by Health Centres and community volunteers wait to be seen by TB specialist at a referral hospital. Photo by Mr Seak Kunrath, JATA/TB CARE I Cambodia

Inventory List of Equipment TB CARE I

Organization:	TB CARE I
Country:	Cambodia
Reporting date:	20-okt-11
Year:	2011



Description (1)	ID numbers	Acquisition	Acquisition	V.A.T (5)	Location (6)	Condition	Dispositio	Title	Insurance
	(2)	date (3)	cost (4)			(7)	n date (8)	held by	Policy #
					JATA/TB CARE Office,				
Air-conditioner	001- (Sanyo)	25 Feb 2011	\$373,00	N/A	CENAT, Phnom Penh	Good	N/A	N/A	N/A
					JATA/TB CARE Office,				
Outlet pwower	002-	10 Jun 2011	\$7,80	N/A	CENAT, Phnom Penh	Good	N/A	N/A	N/A
O. Hat	002 (*Db::::)	21 1 2011	#12.00	N1/A	JATA/TB CARE Office, CENAT, Phnom Penh	Cood	N1 / A	NI/A	N//A
Outlet pwower	003- (*Phillipe)	21 June 2011	\$12,80	N/A	-	Good	N/A	N/A	N/A
Outlet pwower	004- (Phillipe)	21 June 2011	\$10,90	N/A	JATA/TB CARE Office, CENAT, Phnom Penh	Good	N/A	N/A	N/A
outiet pwower	oor (rinnipe)	ZI June 2011	Ψ10,50	14/71	JATA/TB CARE Office,	Good	14/74	14/74	1477
USB Hub	004	01 June 2011	\$8,00	N/A	CENAT, Phnom Penh	Good	N/A	N/A	N/A
			. ,		JATA/TB CARE Office,		,	,	,
Memory 2 G	016-	17 Aug 2011	\$30,00	N/A	CENAT, Phnom Penh	Good	N/A	N/A	N/A
					JATA/TB CARE Office,				
Paper cutter	017-	19 Aug 2011	\$25,00	N/A	CENAT, Phnom Penh	Good	N/A	N/A	N/A
	006-1-12 (Kodak)								
X-ray Cassettes (Kodak)		1 June 2011	\$3.156,00	Not paid	Provinces, Cambodia	Good	N/A	N/A	N/A
D: :: 1.	007- (Kodak)					L .			
Digital X-ray (Kodak)	000 (1(-4-1-)	28 June 2011		Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
Cassette for digital x-ray	008- (Kodak)	28 June 2011			CENAT Phases Pack	Good	N/A	N/A	N/A
Cassette for digital x-ray	009- (Kodak)	26 Julie 2011	+		CENAT, Phnom Penh	Good	N/A	IV/A	IN/ A
Cassette for digital x-ray	oos (Rodak)	28 June 2011			CENAT, Phnom Penh	Good	N/A	N/A	N/A
	010- (Kodak)	20 June 2011			GETWITY TIMOTITY CITE	0000	14,71	.,,,,	1.47.1
Desk top for digital x-ray	, ,	28 June 2011	\$41.732,00		CENAT, Phnom Penh	Good	N/A	N/A	N/A
	011- (Cepheid)								
GeneXpert IV		4 Aug 2011		Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
	012- (Dell)								
Laptop for genexpert		4 Aug 2011	\$17.500,00		CENAT, Phnom Penh	Good	N/A	N/A	N/A
	013- (HP)								
Printer for genexpert	014 (5 11)	4 Aug 2011	\$538,46	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
LIDC for government	014- (Dell)	4 4 2011	#04E 73	N-4:-!	CENAT DI	Cood	N1 / A	NI/A	N//A
UPS for gerexpert Barcode reader for	015- (Cepheid)	4 Aug 2011	\$945,72	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
genexpert	015- (Cephela)	4 Aug 2011	Included in xpert	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
денехреге	018- (Cepheid)	4 Aug 2011	Included in xpert	Not paid	CLINAT, FIIIIOIII FEIIII	Good	IN/A	IN/A	IN/A
GeneXpert IV	(30)	4 Aug 2011	\$17.500,00	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
			42.1000/00				.,	.,,	.,
Laptop for genexpert	019- (Dell)	4 Aug 2011	Included in xpert	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
Printer for genexpert	020- (HP)	4 Aug 2011	\$538,46	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
	021- (Dell)								
UPS for gerexpert		4 Aug 2011	\$945,72	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
Barcode reader for	022- (Cepheid)				l			l	l
genexpert	Camalaa	4 Aug 2011	Included in xpert	Not paid	CENAT, Phnom Penh	Good	N/A	N/A	N/A
Laptop Dell Inspiron	Service Tage:G934SP1)				General Department of Prison (GDP), Phnom	f			
N4030	1 age. 03343F1)	11-mei-11	\$494,00	N/A	Penh	Good	N/A	N/A	N/A
	i	1-2 11	Ψ121,00	1.9	1	2000	1.91.	,	

	S/N:OU417N-64180-			I		1		1	
Monitor Dell LCD 18.5"		11-mei-11		N1 / A		C4	N1/A	N/A	N1/A
3.0 GH2, 1066FSB, 3M :2	,	11-11161-11		N/A	GDP, Phnom Penh	Good	N/A	IN/ A	N/A
3.0 GH2, 1066FSB, 3M :2		11-mei-11		N/A	GDP, Phnom Penh	Good	N/A	N/A	N/A
cacric	S/N:101207 0663	11 11161 11		N/A	GDF, FIIIIOIII FEIIII	Good	IN/A	IN/A	N/A
UPS power tree650 VA	-,	11-mei-11	\$475,00	N/A	GDP, Phnom Penh	Good	N/A	N/A	N/A
HP Laserjet printer P2055		11 11101 11	ψ173,00	14/74	GDT, TIMOM TEIM	Good	14/71	14,71	14,71
D	S/N:CNCJB70169	11-mei-11	\$299,00	N/A	GDP, Phnom Penh	Good	N/A	N/A	N/A
		-	,,	,	, , , , , , , , , , , , , , , , , , , ,		<u> </u>	<i>'</i>	,
Dell Latutude E6410	Service Tage:BTS040	24-mei-11	\$1.190,00	N/A	FHI office, Phnom Penh	Good	N/A	N/A	N/A
Dell Latutude E6410									
	Service Tage:8DS040	24-mei-11	\$1.190,00	N/A	FHI office, Phnom Penh	Good	N/A	N/A	N/A
Camera CANON Power				N/A					
shot SX230 with 8GB of	S/N: 238030006055	10-jun-11	\$395,00		FHI office, Phnom Penh	Good	N/A	N/A	N/A
Filing cabinet (4 draws)									
FS 410	N/A	19-jul-11	\$148,00	N/A	Prison of Kg.Speu	Good	N/A	N/A	N/A
Filing cabinet (4 draws)									
FS 410	N/A	19-jul-11	\$148,00	N/A	Prison of Koh Kong	Good	N/A	N/A	N/A
Filing cabinet (4 draws) FS	N/A	19-jul-11	\$148,00	N/A	Prison of Kg. Som	Good	N/A	N/A	N/A
Filing cabinet (4 draws) FS	N/A	19-jul-11	\$148,00	N/A	GDP, Phnom Penh	Good	N/A	N/A	N/A
Table 1.2m (DE48+glass)	N/A	19-jul-11	\$158,00	N/A	Prison of Kg.Speu	Good	N/A	N/A	N/A
T.I. 4.2 (DE40: 1)	N1 / A	10 :- 111	+450.00						
Table 1.2m (DE48+glass)	N/A	19-jul-11	\$158,00	N/A	Prison of Koh Kong	Good	N/A	N/A	N/A
Table 1.2m (DE48+glass)	NI/A	19-jul-11	\$158,00	NI/A	Duines of May Com-	Cood	N/A	N/A	N/A
Table 1.2III (DE46+glass)	N/A	19-jui-11	\$156,00	N/A	Prison of Kg. Som	Good	IN/A	IN/ A	N/A
Table 1.2m (DE48+glass)	NI/A	19-jul-11	\$158,00	NI/A	GDP, Phnom Penh	Good	N/A	N/A	N/A
Table 1.2III (DL46+glass)	IN/A	19-jui-11	\$136,00	IN/A	GDP, PIIIIOIII Pelili	Good	IN/A	IN/ A	IN/ A
							+		
							1	<u> </u>	
								1	1
								1	1
			+00 500 00						

\$88.590,86

- (1) Description of equipment: transportation (vehicles), administration (computers, faxes), laboratory equipment or others
- (2) Identification number (eg Manufacturer's serial number, model number, Federal stock number, national stock number)
- (3) Date of invoice
- (4) Total price including any sales tax paid. Use currency on invoice
- (5) Note any sales tax charged
- (6) Address
- (7) Good/fair or bad
- (8)+(9) Ultimate disposition data, (in the case of a vehicle) including date of disposal and sales price or the method used to determine current fair market value. where a recipient compensated TB CARE I for its share. Attach supplementary info